

Document title

# **BORSA ITALIANA MIGRATION TO OPTIQ PHASE 2 – GO-LIVE WEEKEND GUIDELINES**

Document type or subject

GENERAL OVERVIEW

Revision number

Revision Number: 1.0

Date

1 September 2023

Number of pages

20

Author

Euronext

This publication is for information purposes only and is not a recommendation to engage in investment activities. This publication is provided “as is” without representation or warranty of any kind. Whilst all reasonable care has been taken to ensure the accuracy of the content, Euronext does not guarantee its accuracy or completeness. Euronext will not be held liable for any loss or damages of any nature ensuing from using, trusting or acting on information provided. No information set out or referred to in this publication shall form the basis of any contract. The creation of rights and obligations in respect of financial products that are traded on the exchanges operated by Euronext’s subsidiaries shall depend solely on the applicable rules of the market operator. All proprietary rights and interest in or connected with this publication shall vest in Euronext. No part of it may be redistributed or reproduced in any form without the prior written permission of Euronext.

Euronext refers to Euronext N.V. and its affiliates. Information regarding trademarks and intellectual property rights of Euronext is located at [www.euronext.com/terms-use](http://www.euronext.com/terms-use).

© 2023, Euronext N.V. - All rights reserved.

## INTRODUCTION

### DOCUMENT PURPOSE

The purpose of this document is to inform clients about the agenda and activities that will take place during the Go-Live Weekend organised in the context of the Borsa Italiana Phase 2 (Fixed Income, Warrants & Certificates and EuroTLX markets) migration onto Optiq expected to take place on 11 September 2023<sup>1</sup>.

This document aims to provide guidance on prerequisites, timing, scope and a detailed schedule to the clients for them to prepare for the event.

### TARGET AUDIENCE

The intended audience of this document is any client active on the Euronext and Borsa Italiana Markets (Trading Member Firm, ASP, ESP, ISV, Data Vendor) on the:

- Legacy Euronext markets: already connected to Optiq® and not connected to Borsa Italiana markets
- Italian markets: connected to Borsa Italiana markets and moving to Optiq® and TCS

### DOCUMENT HISTORY

DOCUMENT VERSION	DATE	CHANGE DESCRIPTION
1.0	1 September 2023	First version

### ASSOCIATED DOCUMENTS

The following are the associated documents, which should be read in conjunction with this document or which provide other relevant information for the user:

Document	Description
<a href="#">Migration Guidelines - Borsa Italiana Optiq Migration v5.0</a>	Provides clients with information, milestones and timing regarding the migration strategy of the Borsa Italiana markets to Optiq so that they can prepare for a successful migration.
<a href="#">Borsa Italiana Migration To Optiq - Phase 2 Listing Schedule For Production</a>	Provides full list of the instruments that will be available for testing in Production

<sup>1</sup>Subject to Regulatory approval

<a href="#">Euronext Cash and Derivatives Markets Optiq OEG Service - Interface Specification</a>	Provides an overview of all the IP addresses and connectivity details needed to connect to the Optiq Order Entry Gateway.
<a href="#">Optiq MDG Production Connectivity - Euronext Cash and Derivatives Markets</a>	Provides an overview of all the Multicast IP addresses and connectivity details needed to connect to the Optiq Market Data Gateway.
<a href="#">Euronext Optiq Market Data Gateway MDG Lite - Production Connectivity</a>	Provides an overview of all the Multicast and TCP/IP addresses and connectivity details needed to connect to the Optiq MDG Lite.
<a href="#">Euronext Cash and Derivatives Markets - Optiq OEG SBE Messages - Interface Specification</a>	This document sets out the client messages specifications for Optiq OEG using the SBE format. More specifically, it describes the contents of administrative and application messages and provides detailed field descriptions.
<a href="#">Euronext Cash and Derivatives Markets - Optiq OEG FIX 5.0 Messages - Interface Specification</a>	This document sets out the client messages specifications for Optiq OEG using the FIX format. More specifically, it describes the contents of administrative and application messages and provides detailed field descriptions.
<a href="#">Euronext Cash Markets - Optiq OEG MDG - Kinematics Specification</a>	The purpose of this document is to describe Cash Market Kinematics for Optiq Order Entry Gateway (OEG) and Market Data Gateway (MDG).
<a href="#">Euronext Cash and Derivatives Markets - Optiq Files - Interface Specification</a>	The purpose of this document is to describe all the files required for Trading on Optiq platform.
<a href="#">Optiq MDG Messages - Interface Specification - Euronext Cash and Derivatives Markets</a>	This document describes the Optiq Market Data Gateway.
<a href="#">Common File Transfer System - Members User Guide - Euronext Cash and Derivatives Markets</a>	This document provides general technical information about Euronext Common File Transfer System Services (CFTS).
<a href="#">TCS Web Access - User Guide - Euronext Cash Markets</a>	This document describes how to use the dedicated Web Interface allowing Euronext members to register Off Book but On Exchange trades in the Euronext Trade Confirmation System (TCS).
<a href="#">Euronext Cash and Derivatives Markets - Euronext File Services - User Guide</a>	This document intends to provide general technical information about Euronext File Services.

---

## DEFINITIONS

**Go-Live Weekend:** test in target condition that takes place before the Monday Go-Live, for clients to validate their final readiness in the Production environment.

**External Dress Rehearsal or Customer Dress Rehearsal (CDR):** real-condition tests that take place before the Go-Live weekend, for clients to validate their full readiness in the Production environment.

**Roll-back:** Data and applications are reverted back to the situation they were at on Friday evening, before the Go-Live Weekend

**ESP:** Extranet Service Provider; Service Provider providing infrastructure and/or hosting services to clients

**ASP:** Application Service Provider; Service Provider providing hosting services and/or applications to their clients

**ISV:** Independent Software Provider; Service Providers that provide trading and/or market data software to their clients

**Data Vendor:** Provider of Market Data to clients

**SP:** Service Provider

**OEG:** Order Entry Gateway

**MDG:** Market Data Gateway

**TAL:** Trading At Last

**CMC:** Client Managed Connectivity

**EMC:** Euronext Managed Connectivity

**MTA:** Euronext Milan

**EGM:** Euronext Growth Milan

**GEM:** Borsa Italiana Global Equity Market

**MIV:** Euronext MIV Milan

**TAH:** Trading After Hours

**ETP:** Exchange-Traded Products including ETFs, ETCs, ETNs

**MOT:** Italian Retail Bond Regulated Market (Fixed Income)

**ExtraMOT:** Italian Retail Bond MTF (Fixed Income)

**SeDeX:** Borsa Italiana W&C market

**EuroTXL, Bond-X, Cert-X and TLX Equity:** EuroTLX markets with its segments (Fixed Income, W&C, Equity)

**TCS:** Trade Confirmation System

**EFS:** Euronext File Services

**CFTS:** Common File Transfer System

## CONTENTS

- 1 GO-LIVE WEEKEND OVERVIEW ..... 6**
- 1.1 Critical dates ..... 6
- 1.2 Pre-requisites ..... 7
- 1.3 Communication during Go-Live Weekend ..... 7
- 2 SCOPE OF THE TEST ..... 8**
- 2.1 Environment..... 8
- 2.2 Markets ..... 8
- 2.1.1 Markets in scope ..... 8
- 2.1.2 Markets out of scope ..... 8
- 2.3 Applications and services..... 9
- 2.4 Out of scope for the Go-Live Weekend .....10
- 3 TEST DETAILS FOR GO-LIVE WEEKEND ..... 11**
- 4 SCHEDULE..... 13**
- 5 IMPORTANT INFORMATION ..... 15**
- 5.1 Purge of order books .....15
- 5.2 Reference data prices, Instruments availability and related animation during Go-Live Weekend .....15
- 5.3 Trading data referential files .....15
- 5.4 Roll-Back of client applications .....16
- APPENDIX ..... 18**
- CONTACTS ..... 20**

---

## 1 GO-LIVE WEEKEND OVERVIEW

The objective of the Go-Live Weekend is to prepare for Phase 2 Go-Live of the Borsa Italiana markets onto Euronext's trading system, Optiq, and to perform a final check and ensure readiness for the Monday's Go-Live taking place on 11 September<sup>1</sup> 2023.

Clients are invited to validate that their applications can operate both on the Borsa Italiana Fixed Income, Warrants & Certificates and EuroTLX markets tradable from Optiq as well as the remaining Borsa Italiana Markets operated on the Millennium IT and SOLA platforms.

**At the end of the Go-Live Weekend for the Phase 2, a Go/No-Go decision will be shared with clients.**

In the unlikely event that Euronext should decide not to continue with the migration, clients should be prepared for the Contingency Schedule and roll-back of their systems.

---

### 1.1 CRITICAL DATES

- **Go-Live Weekend:** 9 September 2023
- **Go-Live:** 11 September 2023<sup>1</sup>

It is **mandatory** for trading members, ASPs and Data Vendors connected to Borsa Italiana markets to **participate in the Go-Live Weekend** (even if they already successfully participated to the first one).

**ESPs** and **ISVs** are expected to support their clients during the Go-Live Weekend.

#### Notes:

- Go-Live Phase 2 (Fixed Income, Warrants & Certificates and EuroTLX) planned on 11 September 2023 is subject to regulatory approval.
- As a reminder, the Go-Live Weekend is scheduled to validate that client applications are ready for the Monday Go-Live (11 September 2023). It is not intended to simulate a trading day with extensive clients testing. As a consequence, **during the Saturday clients will have to logon (mandatory) and as instruments will be opened, they can place orders / execute trades (optional).**

**At the end of the Go-Live Weekend, clients must purge their applications of all the data that was generated on the Saturday. The client application however does not need to be rolled back as it should be compatible with the Monday of the Go-Live: 11 September 2023<sup>1</sup>. Following the Go-Live Weekend, markets will open on the next Monday with the Borsa Italiana Fixed Income, Warrants & Certificates and EuroTLX instruments migrated to Optiq.**

#### Contingency dates (only applicable in the unlikely event of a No-Go decision):

As a reminder, below are the contingency dates in the unlikely event of No-Go decision:

- **Contingency Customer Dress Rehearsal:** 16 September 2023

- **Contingency Go-Live:** 25 September 2023

---

## 1.2 PRE-REQUISITES

**Only clients that have completed their full readiness** ([please refer to the Migration Guidelines](#)) **will be authorised to take part in the Go-Live and Go-Live Weekend.**

Note that it is also mandatory for clients to register for the Go-Live Weekend: [Registration Form](#).

**Note:** for a smooth operation during the Go-Live Weekend and to ensure the Go-Live on 11 September 2023, clients are requested not to introduce changes to their infrastructure or applications that would jeopardise their readiness for the Go-Live.

**For more details on the mandatory pre-requisites, please refer to the table in Appendix.**

---

## 1.3 COMMUNICATION DURING GO-LIVE WEEKEND

During the Go-Live Weekend, customer support will be provided via:

- **Market Status:**  
Euronext will keep clients informed of all activities through the [Market Status Webpage](https://live.euronext.com/market-status): <https://live.euronext.com/market-status>.  
All clients are advised to subscribe to the Market Status alerts, which can be done through My Subscriptions menu on the [Euronext customer connect web portal](#).
- **Customer Support:**  
Support will be provided to clients by the Optiq Migration Team from 09:30 CEST to 16:00 CEST.  
In case of any issues or questions related to the tests, customers may contact the Optiq Migration Team ahead of the tests and during the Migration weekend by email at [optiqmigration@euronext.com](mailto:optiqmigration@euronext.com) and by phone at:
  - Italy +39 02 4541 1399
  - France +33 1 8514 8585
  - Belgium +32 2620 0585
  - Norway +31 20 721 9585
  - Portugal +351 2 1060 8585
  - Ireland +353 1 6174 289
  - UK +44 207 660 8585
  - Netherlands +31 20 721 9585

## 2 SCOPE OF THE TEST

The scope of the Go-Live Weekend is outlined below for each specific section.

### 2.1 ENVIRONMENT

During the Go-Live Weekend, only the **Production environment** is in scope.

### 2.2 MARKETS

During the Go-Live Weekend, clients should perform **Technical** (connectivity, logon, etc.) and can also manage **Functional Testing** (e.g testing the trading activity and market data reception) for the Euronext Cash Markets, including the Italian Warrants & Certificates, Fixed Income and EuroTLX markets migrating to Optiq.

Clients can also validate Trading and Market Data reception for the other Borsa Italiana Derivatives Markets that remain on SOLA platform (and will move to Optiq in Phase 3) in order to simulate the set-up that will be in place on 11 September 2023.

#### 2.1.1 Markets in scope

The following markets will be part of the Go-Live Weekend:

	Optiq	TCS	SOLA
<b>Euronext Markets</b>	<ul style="list-style-type: none"> <li>✓ Equity Markets</li> <li>✓ Funds Markets</li> <li>✓ Fixed Income Markets</li> <li>✓ Warrant &amp; Certificates Markets</li> </ul>	<ul style="list-style-type: none"> <li>✓ OBOE</li> <li>✓ Nav trading facility Dutch Funds</li> </ul>	N/A
<b>Borsa Italiana Markets</b>	<p><b>Phase 1 markets:</b></p> <ul style="list-style-type: none"> <li>✓ MTA</li> <li>✓ EGM</li> <li>✓ GEM</li> <li>✓ MIV</li> <li>✓ ETF (ETF Plus)</li> </ul> <p><b>Phase 2 markets:</b></p> <ul style="list-style-type: none"> <li>✓ MOT</li> <li>✓ ExtraMOT</li> <li>✓ Bond-X</li> <li>✓ Sedex</li> <li>✓ Cert-X</li> <li>✓ Equity ETLX</li> </ul>	ATFund	<ul style="list-style-type: none"> <li>✓ Derivatives Markets (IDEM), including Market Data Services (GTP, GTP Lite and HSVF)</li> </ul>

#### 2.1.2 Markets out of scope

The following markets will **not** be part of the Go-Live Weekend on **Optiq**:

- **Euronext Derivatives Markets on Optiq**

Please note that clients will not be able to log on to these markets. **Clients should take this into consideration for applications that perform an automatic logon.**

- **All Bourse De Luxembourg (BDL) markets**

Even though the BDL market will technically be available, Euronext will not open the instruments for trading on this market.

As a reminder, all cash markets part of the phase 1 migration **will only be made available on Optiq and TCS during the Go-Live week-end.**

## 2.3 APPLICATIONS AND SERVICES

Please see below the applications and services that are **available** for the Go-Live Weekend.

EURONEXT APPLICATION	SERVICES
<b>Optiq</b>	<ul style="list-style-type: none"> <li>▪ Order Entry Gateways (OEG)</li> <li>▪ Market Data Gateway (MDG)</li> <li>▪ Drop Copy</li> </ul>
<b>MDG Lite</b>	<ul style="list-style-type: none"> <li>▪ MDG Lite Multicast</li> <li>▪ MDG Unicast - the TCP compressed service</li> </ul>
<b>Trade Confirmation System (TCS) Order Entry Gate and Web (GUI)</b>	The Trade Confirmation system for Off-Market trades, which can be accessed either via Logical Access or via Web (GUI)
<b>Euronext File Services (EFS)</b> for legacy clients	<b>Referential Files</b> <ul style="list-style-type: none"> <li>▪ Standing Data</li> <li>▪ SBE templates</li> <li>▪ Tick Sizes</li> </ul>
<b>Common File Transfer System (CFTS)</b> for Borsa Italiana clients	<b>Referential Files</b> , fully available for testing <ul style="list-style-type: none"> <li>▪ Standing Data</li> <li>▪ SBE templates</li> <li>▪ Tick Sizes</li> </ul> Euronext will offer both the SFTP and HTTPS protocol (MyEuronext)

### Notes:

- **To replicate real conditions, on legacy Borsa Italiana side the below Trading and Market Data services will be made available:**
  - **Trading Applications** (SOLA will be available on markets migrating on Phase 3 (IDEM))
  - **GTP** and **GTP Lite** (for derivatives markets moving in phase 3) and **HSVF** (SOLA – derivatives – native market data service) **Market Data Service**
  - **Borsa Italiana Reference Data for Derivatives Files** (SOL305)
- The full list of functionalities that will be available during the Go-Live Weekend can also be found in the *Guide to Trading System* and the *Migration Guidelines*

To note:

**During the Go-Live Weekend, Euronext OEG and MDG will be on the SBE template version 325. Clients can use any of the earlier versions of SBE as long as their application is backward/forward compatible in accordance with the [Euronext Compatibility Rules](#).**

---

## 2.4 OUT OF SCOPE FOR THE GO-LIVE WEEKEND

The following elements are out of scope and will not be available during the Go-Live Weekend on the Saturday:

- **Post-trade systems & Front-To-Back testing:**

Clients should be advised that post-trade systems and front-to-back testing will not be available during the Go-Live Weekend.

**Clients need to connect to the Next EUA environment to test all their post-trade applications and validate their front-to-back systems** ahead of the migration (with a strong point of attention related to the reconciliation key used for reconciliation process).

- **Disaster Recovery sites:**

Euronext will not activate the Euronext Disaster Recovery site. Clients must validate connectivity to the Euronext Disaster Recovery site by performing a Telnet test to the Destination IPs of the site, which can be executed 24 hours 7 days a week.

- **Euronext Saturn Application** (ARM, APA, SLC, OBOE, ...)

- **MyEuronext portal**

- **Index Calculation and Dissemination**, as well as the **Index Standing Data files:**

Clients to note that no Index standing data file will be available during Go-Live Weekend

- **End of Day** (EOD) file order and trade files

- **All BITA applications & services** not mentioned above as part of the scope

### 3 TEST DETAILS FOR GO-LIVE WEEKEND

During the Go-Live Weekend, we highly recommend that clients perform a logon from:

- all their firm’s IDs
- at least one of their network sources
- with at least one Logical Access.

Clients can, optionally, send orders and execute trades during the Saturday.

TEST	REQUIREMENT DURING GO-LIVE WEEKEND
<b>Connectivity</b>	<b>Mandatory</b> for Trading Members, Service Providers and Data Vendors. They must perform a Telnet test <i>before</i> the Go-Live Weekend.
<b>Logon</b>	<b>Mandatory</b> for all Trading Members that trade on Borsa Italiana markets to perform: <ul style="list-style-type: none"> <li>- At least one logon from one of the <b>forecasted network sources</b> (i.e. Colocation, CMC, EMC, connectivity via a Service Provider) that may be used in Production</li> <li>- A logon with at least one Logical Access <b>per segment</b> they trade on</li> <li>- <b>The logon with all Member Codes / FIRM IDs</b> owned by the Trading Members is optional</li> </ul>
<b>Orders and trades</b>	<b>Optional</b> for all Trading Members that trade on Borsa Italiana markets
<b>Market Data</b>	<b>Mandatory</b> for Trading Members, Service Providers and Data Vendors who are connected to Borsa Italiana markets to validate reception of Market Data

#### Optiq OEG IP-Filtering security

The **Optiq OEG IP-Filtering** security will be put in place during the Go-Live Weekend as this is already the case during trading on normal Trading Day.

**Only source IPs already registered for dedicated Firm IDs (Logical Access) will be allowed to receive a logon acknowledgement.**

**!/\** Clients who are not yet connected to Optiq should be aware that **this security will be applicable on the Go-Live** planned for 11 September 2023.

Euronext is following the below principles to ensure clients are properly enabled on Optiq:

For clients <b>not impacted</b> by an infrastructure change	<ul style="list-style-type: none"> <li>▪ Euronext has replicated the source IPs set-up from the Borsa Italiana markets onto Optiq.</li> </ul>
For clients <b>impacted by an infrastructure</b> change	<ul style="list-style-type: none"> <li>▪ <u>For Direct clients</u>: IPs are directly assigned and registered by Euronext.</li> <li>▪ <u>For Indirect clients</u> (clients behind Service Providers):                             <ol style="list-style-type: none"> <li>1 IPs are assigned by the Service Provider according to the range assigned to the Service Provider by Euronext.</li> <li>2 Then, IPs are registered by Euronext upon request from the Service Providers.</li> </ol> </li> </ul>

⇒ Clients are requested to verify that all their source IPs are properly set up either with Euronext directly or with their Service Provider

**Prior to the Go-Live Weekend, clients are requested to test the logon on the Next EUA environment, as Optiq OEG IP-Filtering is already in place on this environment.**

In case of any issues related to Logon, clients are advised to contact the Optiq Migration Team before the Go-Live Weekend in order for it to be fixed for the Go-Live Weekend.

In addition, Euronext can provide clients with the list of source IPs that are already registered. Such list can be obtained upon request to [cas@euronext.com](mailto:cas@euronext.com) (the request must include Firm ID).

### **Validate the reception of Market Data (MDG)**

Trading Members and Data Vendors are requested to validate **the Market Data messages received**. The Market Data messages received could be technical or functional, in case of orders and trades.

## 4 SCHEDULE

### Optiq Schedule

Please see below the detailed schedule for the Go-Live Weekend.

**For information, in the case of any changes to the scheduled activities on Go-Live Weekend day, Euronext will keep clients informed through the Market Status Webpage: <https://live.euronext.com/market-status>**

TIME CEST	DESCRIPTION OF SCHEDULE ON OPTIQ	FI	WC	EQ
09:30	<b>Start of Optiq, client's connection and referential files</b> <b>Starting of Optiq by Euronext.</b> Clients will be informed via Market Status when all segments are up. Clients can start connecting to Optiq in the Production environment. <ul style="list-style-type: none"> <li>Referential File publication on CFTS and EFS: Euronext will publish all Referential files on CFTS and EFS<sup>2</sup>. The complete list of files is provided in <a href="#">paragraph 5</a>. Clients should download and integrate the referential files.</li> </ul>			
	<b>Notes:</b> <ul style="list-style-type: none"> <li>The Index file (OptiqMDG_PROD_CashStandingDataFile_Indices_YYYYMMDD.xml) will not be published as index calculation is out of scope. When downloading the Standing Data clients should target the date of next Monday as this date will be part of the filename.</li> <li>The time schedule described below will be applied to all Borsa Italiana trading groups, including those that in production have a single uncrossing pattern or a different sequencing of phases.</li> </ul>			
10:00	<b>Optiq up &amp; running</b> <ul style="list-style-type: none"> <li>At this time, clients to be connected and have validated their Logical Access(es) to Optiq in the <b>Production</b> environment.</li> </ul>			
	<b>Note:</b> As a reminder, clients should perform a successful Logon from at least one of the forecasted network sources (i.e. Colocation, CMC, EMC, connectivity via a Service Provider) that may be used in Production.			
10:30	<b>Standing Data Broadcast over MDG</b> Publication of Market data referential messages over the Euronext Market Data Gateway (MDG). <ul style="list-style-type: none"> <li>Clients to validate the reception of standing data over the Market Data Gateway</li> </ul>	✓	✓	✓
11:00	<b>Call Phase on Equities, W&amp;C and Fixed Income</b> <ul style="list-style-type: none"> <li>Clients to send orders to the Optiq trading platform.</li> </ul>	✓	✓	✓
11:30	<b>Uncrossing &amp; Continuous trading on Equities, W&amp;C and Fixed Income</b> <ul style="list-style-type: none"> <li>Clients to trade on all Euronext Cash Markets including TCS (optional).</li> </ul>	✓	✓	✓
14:30	<b>Call Phase (Closing)</b> <ul style="list-style-type: none"> <li>Clients to send orders for the Trading At Last (TAL) phase to the <b>Optiq</b> trading platform (optional).</li> </ul>	✓		✓
14:35	<b>Closing Uncrossing on Equities and Fixed Income</b> Continuous trading of the TAL and Random Uncrossing trading phase. <ul style="list-style-type: none"> <li>Clients to perform functional testing during the TAL and Random Uncrossing (optional).</li> </ul>	✓		✓

<sup>2</sup>Client to contact Optiq Migration team in case they cannot retrieve the Referential Data File via its SFTP protocol.

<b>14:40</b>	<b>Closed Phase on Equities, W&amp;C and Fixed Income</b> Closing of the trading session. <ul style="list-style-type: none"> <li>▪ Clients to validate the successful closing of the continuous trading session and the TAL &amp; Random uncrossing.</li> </ul>	✓	✓	✓
<b>14:45</b>	<b>Closed Phase on Equities, W&amp;C and Fixed Income</b> Closing of the trading session. <ul style="list-style-type: none"> <li>▪ Clients to validate the successful dissemination of the Closing Price.</li> </ul>	✓	✓	✓
	<b>End of Go-Live Weekend Test</b> Euronext will stop Optiq and all applications. <ul style="list-style-type: none"> <li>▪ Clients can disconnect from all Euronext applications.</li> </ul>	✓	✓	✓
	<b>Note: It is <b>mandatory</b> that clients purge the data generated on Saturday from their internal systems to be ready for the Trading Session on the following Monday morning.</b>	✓	✓	✓
<b>16:00</b>	<b>Go/No-Go confirmation for the Go-Live on 11 September</b> The final confirmation (point of no return) will be communicated via Euronext Market Status and with the publication of an Info-Flash Roll back strategy in case of a No-Go is described below in this document.			

**Clients are responsible for purging all market data and order entry data sent and received during the Saturday Go-Live Weekend test. All client applications should be purged of all the data generated on Saturday.**

Clients should note that, during the Go-Live Weekend, the SOLA platform will follow a dedicated schedule on the opened markets.

**Clients are requested to push orders and trades on the Italian markets following the markets schedule mentioned below:**

#### SOLA detailed schedule

TIME CEST	DESCRIPTION OF SCHEDULE ON SOLA	IDEM
<b>11:00</b>	<b>Pre-opening (only for instruments with auction)</b>	✓
<b>11:30</b>	<b>Continuous (Regular) Trading</b>	✓
<b>15:00</b>	<b>Closing for all IDEM markets</b>	✓

**Note:** Borsa Italiana markets on OBOE will follow Optiq patterns mentioned above.

---

## 5 IMPORTANT INFORMATION

Clients are advised to keep the below reminders in mind before, during and after the Go-Live Weekend.

---

### 5.1 PURGE OF ORDER BOOKS

#### **Purge of the Fixed Income, Warrants & Certificates and EuroTLX order books on Millennium IT platform**

Clients should be aware that on Friday 8 September 2023 Euronext will purge all the unexecuted orders around 18:00 CEST on the **MOT, ExtraMOT, SeDeX, EuroTLX (Bond-X, Cert-X and Equities) markets** on the **Millennium IT platform**.

**There is no impact of this action on instruments traded on Optiq and there will be no order purge on Optiq.**

#### **Order books during and after the Go-Live Weekend**

On Saturday 9 September 2023 and on Monday 11 September 2023, the order books for the Borsa Italiana Fixed Income, Warrants & Certificates and EuroTLX markets, hosted on Optiq will be empty on Optiq (as a consequence of the order purge on those markets taking place on Friday on the **Millennium IT platform**).

#### **Order books in case of No-Go**

In the case a No-Go on Saturday 9 September 2023 and a roll back of the Borsa Italiana Fixed Income, Warrants & Certificates and EuroTLX markets to the **Millennium IT platform**, the orders that were purged on the **Millennium IT platform on Friday 8 September 2023** will not be restored.

*More details related to this roll-back plan is provided below in this document.*

---

### 5.2 REFERENCE DATA PRICES, INSTRUMENTS AVAILABILITY AND RELATED ANIMATION DURING GO-LIVE WEEKEND

#### **Instruments available in Production**

- **All instruments currently tradable on Borsa Italiana (Milan) MOT, ExtraMOT, SeDeX, EuroTLX (Bond-X, Cert-X and Equities) markets are technically created in the Optiq Production environment** and will be available and updated for testing during the Go-Live Weekend.
- **Clients can review all instruments available in Production in the Production Standing Data Files available on CFTS / EFS.**

#### **Reference Data Price**

- **The reference prices available during the Go-Live Weekend and on Monday morning on Optiq will reflect the last closing prices coming from MIT Platform on Friday 8 September 2023.**

---

### 5.3 TRADING DATA REFERENTIAL FILES

Please see below the complete list of the referential files that will be available during the Go-Live Weekend both on EFS and CFTS for the **Optiq Trading Platform**.

Although the test will be executed on a Saturday, clients should be aware that the date on the filename will reflect the date of Monday, so for example the Block standing data file will be named: OptiqMDG\_Production\_CashStandingDataFile\_Block\_20230911.xml.

This logic is true for all files that are published for the Go-Live Weekend. This will help retrieve the files quicker.

You will see the below Referential Files in the following folders:

**Block:**

- OptiqMDG\_Production\_CashStandingDataFile\_Block\_yyyymmdd.xml
- OptiqMDG\_Production\_TimeTableFile\_Block\_yyyymmdd.xml
- OptiqMDG\_Production\_AuthorizedPriceFluctuationFile\_Block\_yyyymmdd.xml
- OptiqMDG\_Production\_SBETeamplate\_Block\_yyyymmdd.xml

**Current:**

- OptiqMDG\_Production\_MemberMappingFile\_ALL\_yyyymmdd.xml
- OptiqMDG\_Production\_CashTickSizeReferentialFile\_ALL\_yyyymmdd.xml
- OptiqMDG\_Production\_RepoSettlementPriceFile\_ALL\_yyyymmdd.xml

**Equities:**

- OptiqMDG\_Production\_CashStandingDataFile\_Equities\_yyyymmdd.xml
- OptiqMDG\_Production\_AuthorizedPriceFluctuationFile\_Equities\_yyyymmdd.xml
- OptiqMDG\_Production\_TimeTableFile\_Equities\_yyyymmdd.xml
- OptiqMDG\_Production\_PrevDayCapAndVolTradFile\_yyyymmdd.xml

**FixedIncome:**

- OptiqMDG\_Production\_CashStandingDataFile\_FixedIncome\_yyyymmdd.xml
- OptiqMDG\_Production\_AuthorizedPriceFluctuationFile\_FixedIncome\_yyyymmdd.xml
- OptiqMDG\_Production\_TimeTableFile\_FixedIncome\_yyyymmdd.xml
- OptiqMDG\_Production\_PrevDayCapAndVolTradFile\_FixedIncome\_yyyymmdd.xml

**Funds:**

- OptiqMDG\_Production\_CashStandingDataFile\_Funds\_yyyymmdd.xml
- OptiqMDG\_Production\_AuthorizedPriceFluctuationFile\_Funds\_yyyymmdd.xml
- OptiqMDG\_Production\_PrevDayCapAndVolTradFile\_Funds\_yyyymmdd.xml
- OptiqMDG\_Production\_TimeTableFile\_Funds\_yyyymmdd.xml

**Warrants And Certificates:**

- OptiqMDG\_Production\_CashStandingDataFile\_WarrantsAndCertificates\_yyyymmdd.xml
- OptiqMDG\_Production\_AuthorizedPriceFluctuationFile\_WarrantsAndCertificates\_yyyymmdd.xml
- OptiqMDG\_Production\_TimeTableFile\_WarrantsAndCertificates\_yyyymmdd.xml
- OptiqMDG\_Production\_PrevDayCapAndVolTradFile\_WarrantsAndCertificates\_yyyymmdd.xml

---

## 5.4 ROLL-BACK OF CLIENT APPLICATIONS

Depending on the Go or No-Go, clients either need to keep their applications in line with Optiq or to switch it back to the software compatible with Millennium IT.

### **Purge of orders and trades after the Go-Live Week-End in case of a Go**

After the Go-Live Weekend, **clients must purge the data that is generated on the Go-Live Weekend test**. It is important that clients do not synchronise their order book with data from the Go-Live Weekend.

### **Roll back after the Go-Live Week-End in case of a No-Go**

**In the unlikely event of a No-Go decision after the Go-Live Week-End, customers are expected to roll back their applications and data back to Friday at close of the Trading Day (8 September 2023) for the Borsa Italiana Fixed Income, Warrants & Certificates and EuroTLX markets.**

Contingency Schedule – to be only used in the unlikely event of a No-Go decision

TIME CET	DESCRIPTION OF SCHEDULE IN THE UNLIKELY EVENT OF A NO-GO	EQT	ETF	BLK
16:00	<p><b>Confirmation of the No-Go decision for the 11 of September</b></p> <p>In the unlikely event of a No-Go decision, clients should go back to the setup at the end of the trading day on Friday 8 September 2023 to be ready for the Trading Session on 11 September 2023.</p> <p>The confirmation will be communicated via Euronext Market Status and with the publication of an Info-Flash.</p>			
16:00 - 17:00	<p><b>Roll-back to Millennium system</b></p> <p>Euronext will roll back Borsa Italiana Fixed Income, Warrants &amp; Certificates and EuroTLX markets to the Millennium System.</p> <ul style="list-style-type: none"> <li>▪ Clients must roll back their internal Production systems to the state of Friday 8 September 2023 evening after the end of the trading session in Millennium</li> </ul>	✓	✓	✓

## APPENDIX

Please see below the technical details needed to connect to the Optiq Trading Platform.

### Order Entry Gateway Production Environment

Optiq Segment Name	Partition ID	IP of Individual Partition
Equities	10	212.107.95.2
	11	212.107.95.5
	12	212.107.95.8
	13	212.107.95.11
Funds (ETFs)	20	212.107.95.14
Fixed Income (Bonds)	30	212.107.95.20
Warrants and Certificates	40	212.107.95.23
	41	212.107.95.47
Block	140	212.107.95.60

Please review the [Euronext Cash and Derivatives Markets Optiq OEG Service - Interface Specification](#) for details on the Unicast IP addresses.

### Market Data Gateway Production Environment

	FEED A	FEED B
<b>Rendez-vous Point (RP) for Colocation</b>	212.107.67.240	212.107.67.241
<b>Rendez-vous Point (RP) for CMC</b>	212.107.67.248	212.107.67.249
<b>Primary IP Address</b>	212.107.93.0/24	212.107.94.0/24
<b>Secondary IP Address</b>	212.107.93.0/24	212.107.94.0/24
<b>Channel ID 1(n)xxx Real-Time</b>	224.0.208.0/24	224.0.209.0/24
<b>Channel ID 2(n)xxx Snapshot</b>	224.0.210.0/24	224.0.211.0/24

Please review the [Optiq MDG Production Connectivity - Euronext Cash and Derivatives Markets](#) for details on the Multicast IP addresses.

### Euronext Applications Production environment

	IP address	DNS
<b>EFS Internet Access</b>	212.107.68.129	<a href="https://efswweb-prod.euronext.com">https://efswweb-prod.euronext.com</a>
<b>EFS on Euronext network</b>	212.107.67.1	<a href="https://efsoptiq-prod.euronext.com">https://efsoptiq-prod.euronext.com</a>
<b>CFTS on Euronext network</b>	212.107.67.2	<a href="https://cftsoptiq-prod.euronext.com">cftsoptiq-prod.euronext.com</a>
<b>CFTS Internet Access</b>	Cloud IP addresses are dynamic	<a href="https://sftp.cfts.prodnr.euronext.cloud">sftp.cfts.prodnr.euronext.cloud</a>
<b>TCS Web</b>	212.107.68.134	<a href="https://tcs-prod.euronext.com">https://tcs-prod.euronext.com</a>

## Pre-requisites for Go-Live Weekend

The below table provides guidance on the pre-requisites that must be validated by clients to be able to participate in the Go-Live Weekend, depending on the type of clients and their set-up.

	Activity or Milestone	Start (when applicable)	End/Deadlines	Via
Colocation set-up	Confirm colocation set-up	January 2023	April 2023	-
	Order colocation equipment	January 2023	April 2023	-
	Sign colocation legal documentation (incl. order forms)	April 2023	Mid-May 2023	-
	Send and install colocation equipment to the new DC	March 2023	Mid-May 2023	-
	Complete connectivity configuration and tests	April 2023	June 2023	-
Connectivity set-up	Confirm connectivity set-up	January 2023	February 2023	-
	Order additional equipment (if client changes their connectivity)	January 2023	March 2023	-
	Sign connectivity legal documentation (incl. order forms)	October 2022	Mid-May 2023	-
	Deliver new links (if connectivity changes)	February 2023	May 2023	-
	Complete connectivity configuration and tests	March 2023	June 2023	-
Preparation for EUA access	Provide details for CFTS	January 2023	Mid-March 2023	MyEuronext
	Provide details for EUA accesses: member capacity and logical accesses needs (incl. Drop Copy, Saturn and TCS)	January 2023	Mid-March 2023	Initial set-up form
	Manage accesses to EUA: logical accesses (incl. Drop Copy, Saturn and TCS)	February 2023	March 2023	Initial set-up form or MyEuronext
Testing in EUA	Next EUA availability for trading functional testing	Mid-April 2023	N/A	-
	Next EUA availability for clearing and settlement specific features	June 2023	N/A	-
	Deliver testable version of software (for ISVs)	N/A	Beginning of June 2023	-
	Book and complete functional conformance tests	May 2023	End of June 2023	With Analyst + webform for confirmation
	Complete trading tests (High Availability, Market Data Gateway (MDG), Throttling, Saturn Reporting & SLC, TCS GUI if applicable)	April 2023	End of June 2023	Webform for confirmation
Legal documentation in preparation for PROD access	Complete front-to-back tests	June 2023	End of June 2023	Webform for confirmation
	Sign SPA (for ISVs and ASPs)	July 2022	March 2023	-
	Sign MyEuronext Terms & Conditions	July 2022	Mid-March 2023	-
	Sign EMDA contracts	July 2022	1 April 2023	-
	Sign Membership contracts	July 2022	June 2023	-
	Sign SPAA (for ASPs and ESPs)	July 2022	June 2023	-
	Sign TCS and Saturn Clearing Facility Agreement (for TCS GUI users only)	January 2023	June 2023	-
	Complete Market Maker and Liquidity Provider Application Form	January 2023	June 2023	-
Preparation for PROD access	Provide details for CFTS if not done at the same time as for EUA	February 2023	June 2023	MyEuronext
	Request PROD accesses if not done at the same time as for EUA: logical accesses (incl. Drop Copy, Saturn and TCS)	May 2023	June 2023	Initial set-up form or MyEuronext
Preparation for Go-live	Register for external Dress Rehearsals	May 2023	June 2023	Webform
	External Dress Rehearsal 1	-	8 July 2023	Webform for attendance confirmation
	External Dress Rehearsal 2	-	22 July 2023	Webform for attendance confirmation
	Go-live	-	11 September 2023	-
Contingency milestones	Register for contingency external Dress Rehearsals	-	September 2023	Webform
	Contingency Dress Rehearsal	-	16 September 2023	Webform for attendance confirmation
	Contingency Go-live	-	25 September 2023	-

## CONTACTS

Find below the contact details of Euronext’s and partner support teams:

Team	Contact details
<p><b>Optiq Migration Team</b>  <b>Clients’ first point of contact during the Go-Live Weekend.</b> Technical &amp; functional assistance with testing on Optiq. Assistance with conformance tests, timeline and customer readiness checklist.</p>	<ul style="list-style-type: none"> <li>■ Italy +39 02 4541 1399</li> <li>■ France +33 1 8514 8585</li> <li>■ Belgium +32 2620 0585</li> <li>■ Norway +31 20 721 9585</li> <li>■ Portugal +351 2 1060 8585</li> <li>■ Ireland +353 1 6174 289</li> <li>■ UK +44 207 660 8585</li> <li>■ Netherlands +31 20 721 9585</li> <li>■ Email: <a href="mailto:Optiqmigration@euronext.com">Optiqmigration@euronext.com</a></li> </ul>
<p><b>Connectivity</b>            Clients’ point of contact for connectivity matters related to the Borsa Italiana migration onto Optiq.</p>	<ul style="list-style-type: none"> <li>■ Tel: +39 02 72426964</li> <li>■ Borsa Italiana Email: <a href="mailto:BIIt-Membership@euronext.com">BIIt-Membership@euronext.com</a></li> <li>■ Euronext Email: <a href="mailto:EuronextMembership@euronext.com">EuronextMembership@euronext.com</a></li> </ul>
<p><b>Membership</b>            Market participants’ point of contact for the membership contracts and any relevant update to the membership requirements (i.e., update contacts or membership declarations)</p>	<ul style="list-style-type: none"> <li>■ Email: <a href="mailto:market-access@euronext.com">market-access@euronext.com</a></li> </ul>
<p><b>Market Access</b>            Support for market participants’ access and connections to Euronext markets, including Logical Accesses on Optiq (i.e. access and log-in credentials to Optiq OEG).</p>	<ul style="list-style-type: none"> <li>■ Email: <a href="mailto:market-access@euronext.com">market-access@euronext.com</a></li> </ul>